



Envirometer

Report 2023

UNIQUE LIGHTS NEDERLAND B.V.

Compiled on 08-07-2025

Preface

Dit rapport presenteert de CO2-footprint en andere CO2-relevante uitkomsten van de Milieubarometer van UNIQUE LIGHTS NEDERLAND B.V..

De CO2-footprint voldoet aan de eisen van SKAO voor CO2-Prestatieladder niveau 3. De CO2-footprint omvat Scope 1 plus scope 2 & Business Travel. De CO2-emissiefactoren komen overeen met de factoren van CO2-emissiefactoren.nl.

In het hoofdstuk doelen analyseren we onze CO2-reductiedoelen.

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Entered data

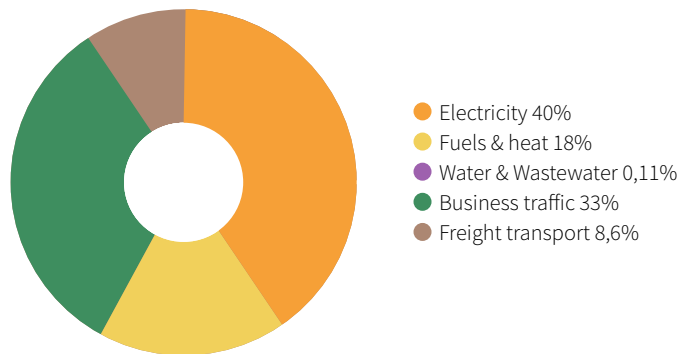
	Unit	2023
Basic data		
Employees	fte	10,0
Turnover	€	3.400.000
Usable floor area	m2	672
Electricity		
Self generated electricity - solar	kWh	0
Purchased electricity	kWh	58.668
Of which night consumption	kWh	8.800
Of which green electricity - wind power	kWh	3.520
Fuels & heat		
Natural gas for heating	m3	5.465
Water & Wastewater		
Drinking-water	m3	69,0
Wastewater	m3 huishoudelijk	69,0
Commercial waste		
Paper and cardboard	kg	3.283
Plastic - clean foil	kg	140
Pallets	stuks normaal	50,0
Residual waste	kg	1.900
Hazardous waste		
Small hazardous waste	kg	50,0
Fluorescent tubes / high pressure lamps	kg	100
Business traffic		
Charge cards road transport (market mix)	kWh	25.000
Passenger car (in litres) gasoline	liter	3.000
Passenger car (in litres) diesel	liter	1.200
Freight transport		
Outsourced transport (ton CO ₂)	ton CO2	5,40

CO₂ emission

Total

2023

The pie chart shows the distribution of CO2 emissions over the themes. The larger the slice, the more this theme contributes to the overall CO2 footprint of the company.



CO₂ emission

Multiyear graph - Total per Turnover

Benchmark - Average Industrial hall - heating + electricity

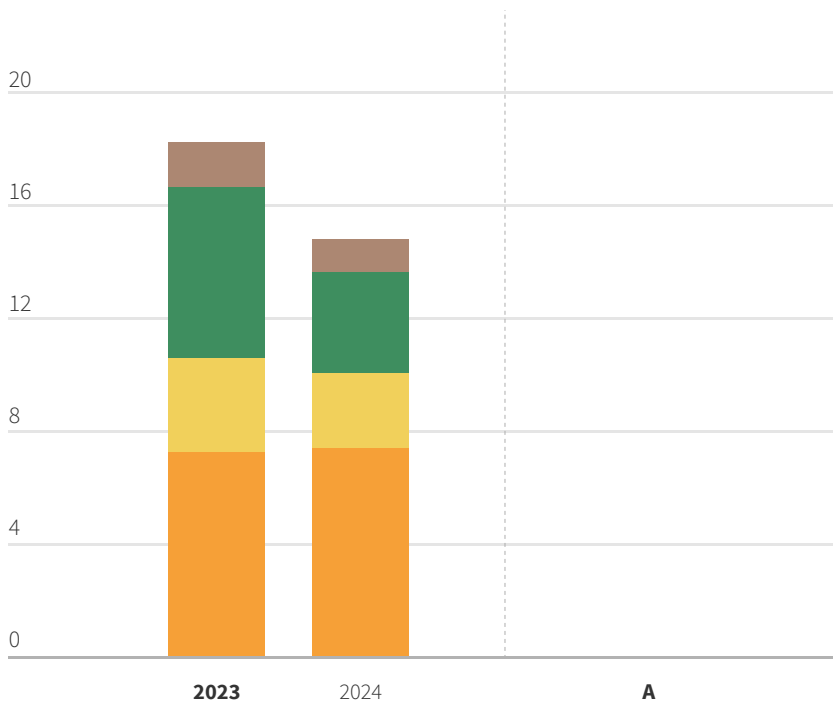
g CO₂ / €

This chart is a graphical representation of the CO₂ footprint in tonnes of CO₂ per year. The larger a theme in this graph, the greater the contribution of that theme to the emission of greenhouse gases. No CO₂ emission is allocated to waste.

If CO₂ emissions are compensated, the CO₂ offset is shown in the blue column.

This graph is calculated per Turnover. This makes the outcome less dependent on the size. Therefore the outcome is more comparable to previous years and/or other companies.

The striped column on the right shows the industry average. The difference with this average shows on which themes the company has a low, medium or high score compared to peers.



- Electricity
- Fuels & heat
- Water & Wastewater
- Business traffic
- Freight transport

CO2-footprint

Per Turnover - conform CO₂ GHG Marketbased

UNIQUE LIGHTS NEDERLAND B.V. - 2023 - per turnover (k€)				
	Theme		CO ₂ emission factor	CO ₂ equivalent
Scope 1				
Fuels & heat	Natural gas for heating	1,61 m ³ / k€	2,08 kg CO ₂ / m ³	3,34 kg CO ₂ / k€
Business traffic	Passenger car (in litres) gasoline	0,882 litre / k€	2,82 kg CO ₂ / litre	2,49 kg CO ₂ / k€
Business traffic	Passenger car (in litres) diesel	0,353 litre / k€	3,26 kg CO ₂ / litre	1,15 kg CO ₂ / k€
<i>Subtotal</i>				<i>6,98 kg CO₂ / k€</i>
Scope 2 Marketbased				
Electricity	Purchased electricity	17,3 kWh / k€	0,456 kg CO ₂ / kWh	7,87 kg CO ₂ / k€
Electricity	Of which green electricity - wind power	1,04 kWh / k€	-0,456 kg CO ₂ / kWh	-0,472 kg CO ₂ / k€
Business traffic	Charge cards road transport (market mix)	7,35 kWh / k€	0,337 kg CO ₂ / kWh	2,48 kg CO ₂ / k€
<i>Subtotal</i>				<i>9,87 kg CO₂ / k€</i>
Scope 3				
	GHG scope 3			
1. Purchases	Drinking-water	0,0203 m ³ / k€	0,298 kg CO ₂ / m ³	0,00605 kg CO ₂ / k€
4. Upstream transportation	Outsourced transport (ton CO ₂)	0,00159 tonne CO ₂ / k€	1,000 kg CO ₂ / tonne CO ₂	1,59 kg CO ₂ / k€
5. Waste from Operations	Wastewater	0,0203 m ³ domestic / k€	0,678 kg CO ₂ / m ³ domestic	0,0138 kg CO ₂ / k€
<i>Subtotal</i>				<i>1,61 kg CO₂ / k€</i>
CO₂ Emissions				18,5 kg CO₂ / k€

This CO₂ footprint is consistent with the requirements of the GHG (GreenHouse Gas) protocol. The CO₂ emission is distributed among scope 1, scope 2 and scope 3. Scope 1: all direct greenhouse gas emissions. Scope 2: indirect GHG emissions caused by energy consumption like emissions from power plants and district heating. Scope 3: other indirect GHG emissions.

CO2-footprint

Per Turnover - CO₂ Thematically

UNIQUE LIGHTS NEDERLAND B.V. - 2023 - per turnover (k€)			
		CO ₂ emission factor	CO ₂ equivalent
Electricity			
Purchased electricity	17,3 kWh / k€	0,456 kg CO ₂ / kWh	7,87 kg CO ₂ / k€
Of which green electricity - wind power	1,04 kWh / k€	-0,456 kg CO ₂ / kWh	-0,472 kg CO ₂ / k€
		<i>Subtotal</i>	<i>7,40 kg CO₂ / k€</i>
Fuels & heat			
Natural gas for heating	1,61 m ³ / k€	2,08 kg CO ₂ / m ³	3,34 kg CO ₂ / k€
		<i>Subtotal</i>	<i>3,34 kg CO₂ / k€</i>
Water & Wastewater			
Drinking-water	0,0203 m ³ / k€	0,298 kg CO ₂ / m ³	0,00605 kg CO ₂ / k€
Wastewater	0,0203 m ³ domestic / k€	0,678 kg CO ₂ / m ³ domestic	0,0138 kg CO ₂ / k€
		<i>Subtotal</i>	<i>0,0198 kg CO₂ / k€</i>
Business traffic			
Charge cards road transport (market mix)	7,35 kWh / k€	0,337 kg CO ₂ / kWh	2,48 kg CO ₂ / k€
Passenger car (in litres) gasoline	0,882 litre / k€	2,82 kg CO ₂ / litre	2,49 kg CO ₂ / k€
Passenger car (in litres) diesel	0,353 litre / k€	3,26 kg CO ₂ / litre	1,15 kg CO ₂ / k€
		<i>Subtotal</i>	<i>6,12 kg CO₂ / k€</i>
Freight transport			
Outsourced transport (ton CO ₂)	0,00159 tonne CO ₂ / k€	1.000 kg CO ₂ / tonne CO ₂	1,59 kg CO ₂ / k€
		<i>Subtotal</i>	<i>1,59 kg CO₂ / k€</i>
		CO₂ Emissions	18,5 kg CO₂ / k€

This CO₂ footprint shows how much greenhouse gas is emitted and eventually offset by the purchase of CO₂ compensation. CO₂ emissions in this footprint are grouped by theme. The footprint also shows which contributes most to CO₂ emissions.

CO2-footprint

Per Turnover - conform CO₂ Performance Ladder

UNIQUE LIGHTS NEDERLAND B.V. - 2023 - per turnover (k€)				
	Theme		CO ₂ emission factor	CO ₂ equivalent
Scope 1				
Fuels & heat	Natural gas for heating	1,61 m ³ / k€	2,08 kg CO ₂ / m ³	3,34 kg CO ₂ / k€
Business traffic	Passenger car (in litres) gasoline	0,882 litre / k€	2,82 kg CO ₂ / litre	2,49 kg CO ₂ / k€
Business traffic	Passenger car (in litres) diesel	0,353 litre / k€	3,26 kg CO ₂ / litre	1,15 kg CO ₂ / k€
<i>Subtotal</i>				<i>6,98 kg CO₂ / k€</i>
Scope 2				
Electricity	Purchased electricity	17,3 kWh / k€	0,456 kg CO ₂ / kWh	7,87 kg CO ₂ / k€
Electricity	Of which green electricity - wind power	1,04 kWh / k€	-0,456 kg CO ₂ / kWh	-0,472 kg CO ₂ / k€
Business traffic	Charge cards road transport (market mix)	7,35 kWh / k€	0,337 kg CO ₂ / kWh	2,48 kg CO ₂ / k€
<i>Subtotal</i>				<i>9,87 kg CO₂ / k€</i>

This CO2 footprint is consistent with the requirements for the CO2-Performance Ladder. The CO2 emission is divided into scopes:

- Scope 1
- Scope 2 & business traffic (from scope 3)
- Other scope 3 items (if included)

Scope 1 contains all direct greenhouse gas emissions. Scope 2 & Business Traffic contains indirect GHG emissions from consumption of energy like electricity, heat and steam plus business kilometres like private cars, public transport and air traffic. Scope 3 are other indirect emissions caused by your activities.

CO2-footprint

Per Turnover - conform CO₂ GHG Locationbased

UNIQUE LIGHTS NEDERLAND B.V. - 2023 - per turnover (k€)				
	Theme		CO ₂ emission factor	CO ₂ equivalent
Scope 1				
Fuels & heat	Natural gas for heating	1,61 m ³ / k€	2,08 kg CO ₂ / m ³	3,34 kg CO ₂ / k€
Business traffic	Passenger car (in litres) gasoline	0,882 litre / k€	2,82 kg CO ₂ / litre	2,49 kg CO ₂ / k€
Business traffic	Passenger car (in litres) diesel	0,353 litre / k€	3,26 kg CO ₂ / litre	1,15 kg CO ₂ / k€
<i>Subtotal</i>				<i>6,98 kg CO₂ / k€</i>
Scope 2 Locationbased				
Electricity	Purchased electricity	17,3 kWh / k€	0,337 kg CO ₂ / kWh	5,82 kg CO ₂ / k€
Business traffic	Charge cards road transport (market mix)	7,35 kWh / k€	0,337 kg CO ₂ / kWh	2,48 kg CO ₂ / k€
<i>Subtotal</i>				<i>8,29 kg CO₂ / k€</i>
Scope 3				
	GHG scope 3			
1. Purchases	Drinking-water	0,0203 m ³ / k€	0,298 kg CO ₂ / m ³	0,00605 kg CO ₂ / k€
4. Upstream transportation	Outsourced transport (ton CO ₂)	0,00159 tonne CO ₂ / k€	1,000 kg CO ₂ / tonne CO ₂	1,59 kg CO ₂ / k€
5. Waste from Operations	Wastewater	0,0203 m ³ domestic / k€	0,678 kg CO ₂ / m ³ domestic	0,0138 kg CO ₂ / k€
<i>Subtotal</i>				<i>1,61 kg CO₂ / k€</i>
CO₂ Emissions				16,9 kg CO₂ / k€

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CO2-footprint

Per Turnover - conform Energy Footprint

UNIQUE LIGHTS NEDERLAND B.V. - 2023 - per turnover (k€)				
	Theme	Quantity	Energy factor	Energy
Scope 1				
Fuels & heat	Natural gas for heating	1,61 m ³ / k€	31,7 MJ / m ³	50,9 MJ / k€
Business traffic	Passenger car (in litres) gasoline	0,882 litre / k€	31,3 MJ / litre	27,6 MJ / k€
Business traffic	Passenger car (in litres) diesel	0,353 litre / k€	35,9 MJ / litre	12,7 MJ / k€
<i>Subtotal</i>				<i>91,2 MJ / k€</i>
Scope 2				
Electricity	Purchased electricity	17,3 kWh / k€	3,60 MJ / kWh	62,1 MJ / k€
Business traffic	Charge cards road transport (market mix)	7,35 kWh / k€	3,60 MJ / kWh	26,5 MJ / k€
<i>Subtotal</i>				<i>88,6 MJ / k€</i>
Energy usage				180 MJ / k€

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Indicators

		2023	2024	Average Industrial hall - heating + electricity
Energy				
Electricity consumption	kWh	58.668	60.626	
Electricity consumption per floor area	kWh/m ²	87,3	90,2	50
Fuels & Heat & Cold				
Fuel plus heat consumption	m ³ gas eq.	5.465	5.112	
Heating energy consumption per building volume	m ³ gas eq./m ³			1
Water and waste water				
Tapwater consumption per office staff member	m ³ /fte	6,9	8,38	
Waste				
Sorting of waste	%	71,7	79,3	
Waste per employee	kg/fte	672	859	
Transport				
Fuel use mobile machinery per turnover	litre diesel eq./ton €			
Transport fuel for bussiness road traffic per employee	litre diesel eq./fte	382	363	
Fuel consumption business traffic per turnover	litre diesel eq./ton €	112	71,7	
Business mileage per employee	km/fte	20.816	17.085	
Business mileage per Production Volume	km/units			
Fuel consumption road haulage per Production Volume	lt diesel eq./units			
CO₂ and Compensation				
CO ₂ -emission expressed in car kilometers	Turns around the world	8,12	7,86	
m ² solar cells to offset CO ₂ emissions	m ²	581	478	
Office Paper				
Paper purchases per employee	kg/fte			

These indicators translate annual data like 'total electricity' to more comprehensible numbers like 'kWh/m2 floor area' or 'sortingpercentage of waste'. Indicators also enable comparison with the environmental performance of larger or smaller organizations.

The striped column on the right shows the industry average. Comparison with this average makes apparent at which points the company scores low, medium or high compared to peers. The differences and similarities are starting points for gaining additional environmental benefits and/or financial gain.

Target charts



DE WERKPLAATS VOOR
DUURZAAM ONDERNEMEN

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